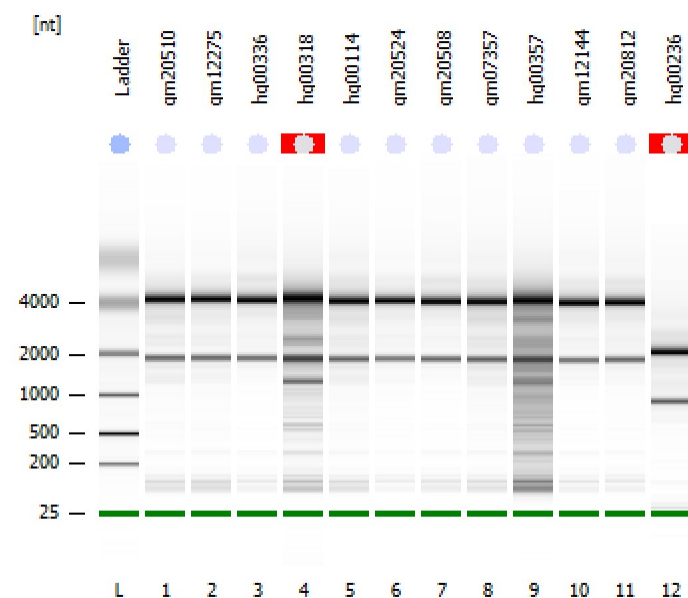


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

Created: 10/19/2011 2:20:53 PM  
Modified: 10/19/2011 2:44:22 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

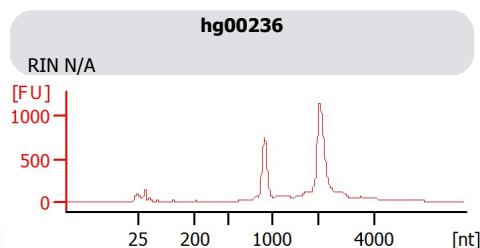
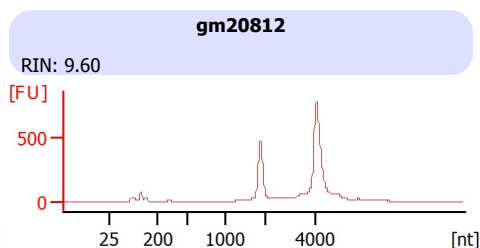
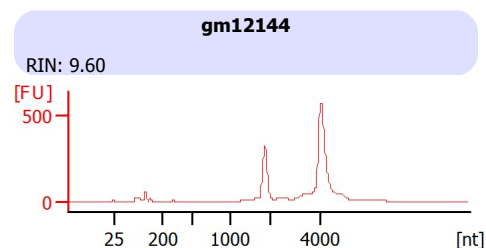
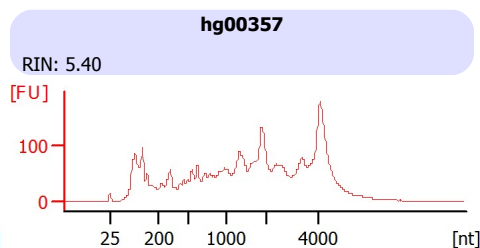
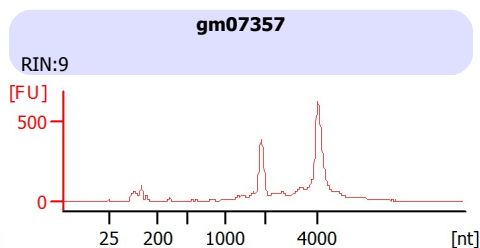
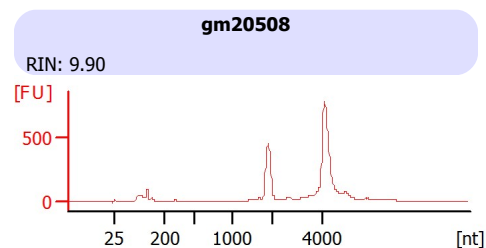
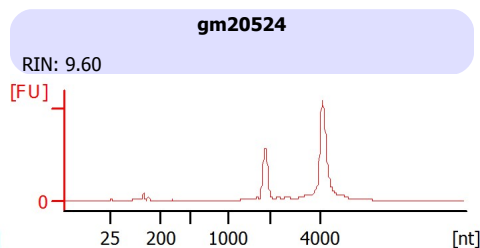
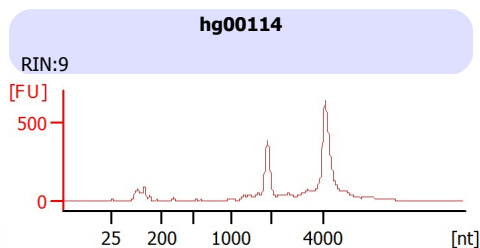
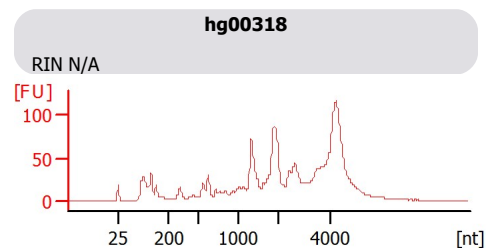
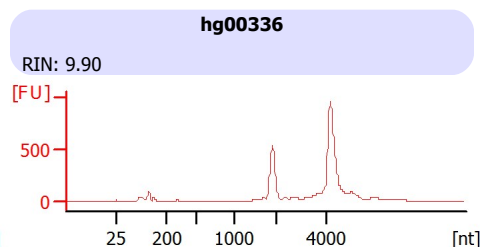
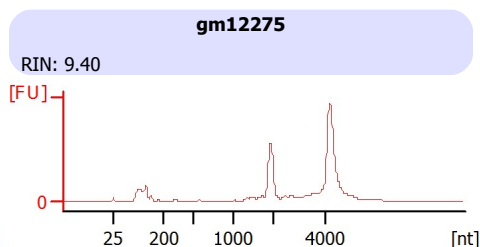
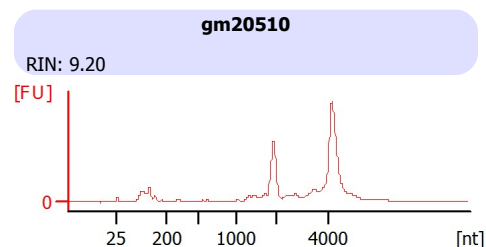
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

Created: 10/19/2011 2:20:53 PM  
Modified: 10/19/2011 2:44:22 PM

**Electrophoresis File Run Summary (Chip Summary)**

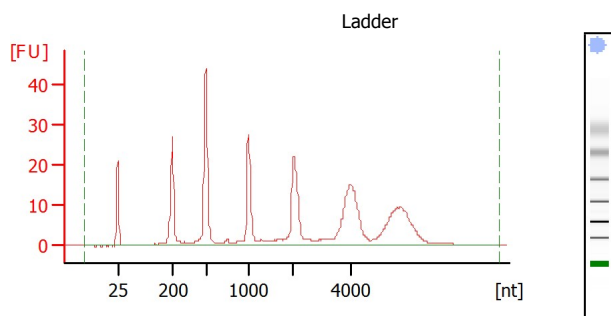
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
gm20510		✓ RIN: 9.20	
gm12275		✓ RIN: 9.40	
hg00336		✓ RIN: 9.90	
hg00318		✓ RIN N/A	
hg00114		✓ RIN:9	
gm20524		✓ RIN: 9.60	
gm20508		✓ RIN: 9.90	
gm07357		✓ RIN:9	
hg00357		✓ RIN: 5.40	
gm12144		✓ RIN: 9.60	
gm20812		✓ RIN: 9.60	
hg00236		✓ RIN N/A	
Ladder		✓ All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

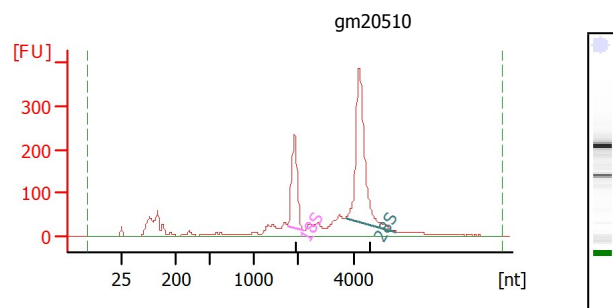
Created: 10/19/2011 2:20:53 PM  
 Modified: 10/19/2011 2:44:22 PM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 344.3  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

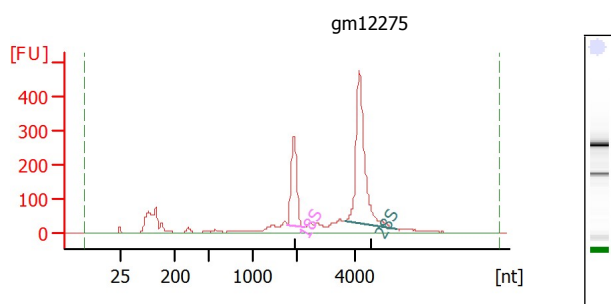


#### Overall Results for sample 1 : gm20510

RNA Area: 2,565.2  
 RNA Concentration: 1,118 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 9.2 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.20

#### Fragment table for sample 1 : gm20510

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,762	2,166	381.9	14.9
28S	3,652	5,465	825.0	32.2

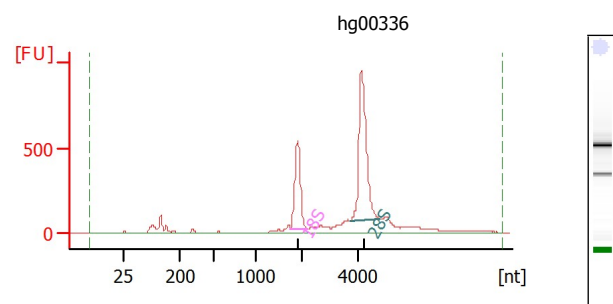


#### Overall Results for sample 2 : gm12275

RNA Area: 2,978.0  
 RNA Concentration: 1,297 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 9.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.40

#### Fragment table for sample 2 : gm12275

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,766	2,229	460.8	15.5
28S	3,676	5,463	1,011.8	34.0



#### Overall Results for sample 3 : hg00336

RNA Area: 4,868.5  
 RNA Concentration: 2,121 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 9.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.90

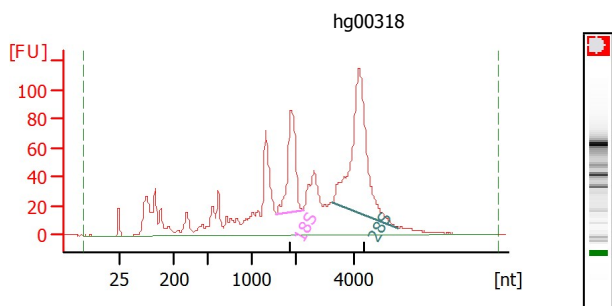
#### Fragment table for sample 3 : hg00336

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,214	913.4	18.8
28S	3,720	4,784	1,744.1	35.8

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

Created: 10/19/2011 2:20:53 PM  
 Modified: 10/19/2011 2:44:22 PM

### Electropherogram Summary Continued ...

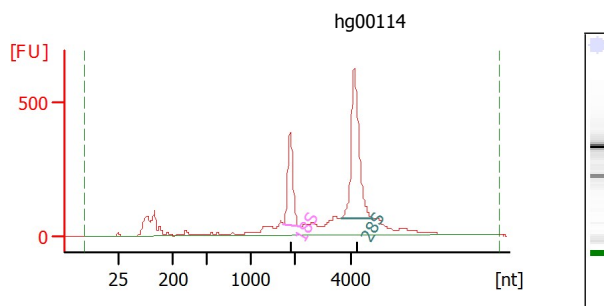


#### Overall Results for sample 4 : hg00318

RNA Area: 1,766.8  
 RNA Concentration: 770 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): N/A (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN N/A

#### Fragment table for sample 4 : hg00318

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,555	2,229	176.7	10.0
28S	3,262	5,596	389.1	22.0

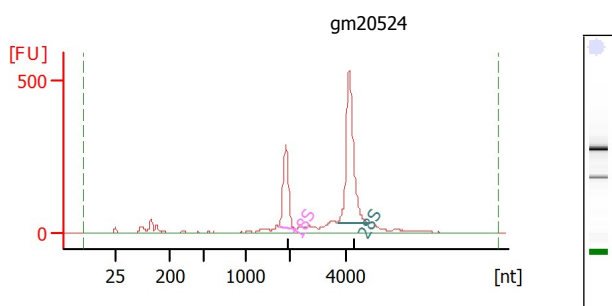


#### Overall Results for sample 5 : hg00114

RNA Area: 4,317.6  
 RNA Concentration: 1,881 ng/μl  
 rRNA Ratio [28s / 18s]: 2.0  
 RNA Integrity Number (RIN): 9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:9

#### Fragment table for sample 5 : hg00114

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,166	597.5	13.8
28S	3,593	4,767	1,195.9	27.7

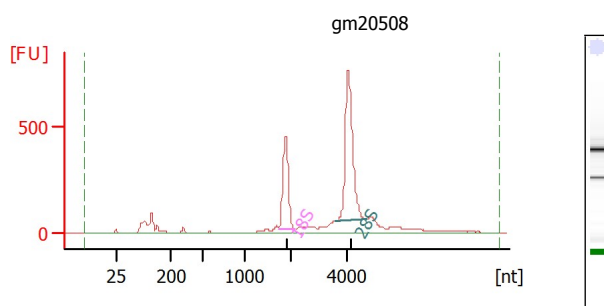


#### Overall Results for sample 6 : gm20524

RNA Area: 2,549.1  
 RNA Concentration: 1,111 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 9.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.60

#### Fragment table for sample 6 : gm20524

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,175	456.4	17.9
28S	3,677	4,819	957.0	37.5



#### Overall Results for sample 7 : gm20508

RNA Area: 3,937.9  
 RNA Concentration: 1,716 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 9.9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.90

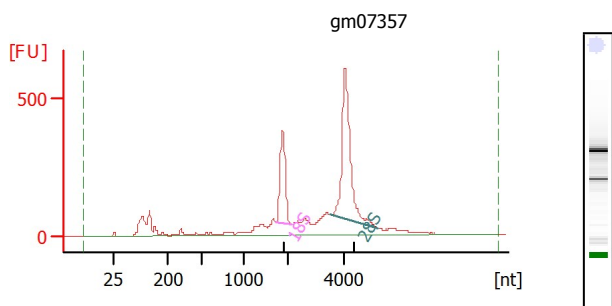
#### Fragment table for sample 7 : gm20508

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,174	743.5	18.9
28S	3,619	4,733	1,378.9	35.0

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

Created: 10/19/2011 2:20:53 PM  
 Modified: 10/19/2011 2:44:22 PM

### Electropherogram Summary Continued ...

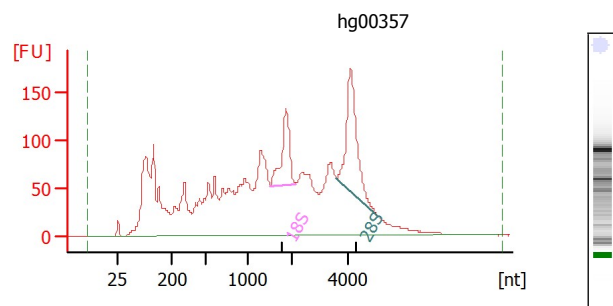


#### Overall Results for sample 8 : gm07357

RNA Area: 4,372.2  
 RNA Concentration: 1,905 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 9 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN:9

#### Fragment table for sample 8 : gm07357

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,111	573.6	13.1
28S	3,517	5,241	1,247.5	28.5

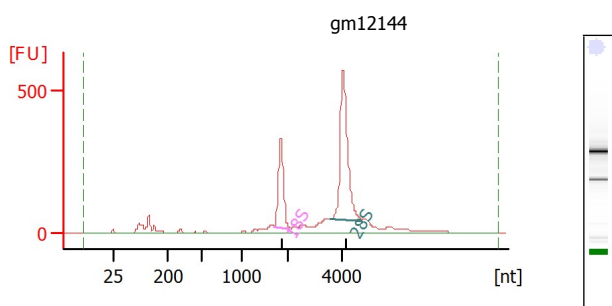


#### Overall Results for sample 9 : hg00357

RNA Area: 4,264.5  
 RNA Concentration: 1,858 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 5.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 5.40

#### Fragment table for sample 9 : hg00357

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,515	2,156	194.5	4.6
28S	3,608	5,104	358.7	8.4

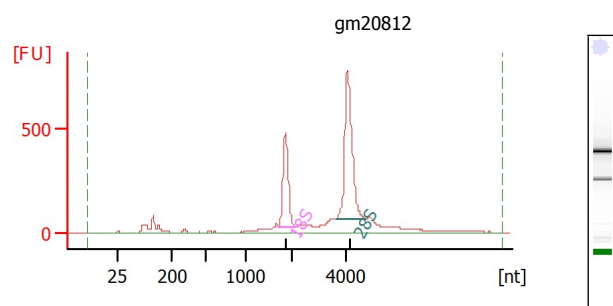


#### Overall Results for sample 10 : gm12144

RNA Area: 3,147.3  
 RNA Concentration: 1,371 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 9.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.60

#### Fragment table for sample 10 : gm12144

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,125	510.7	16.2
28S	3,549	4,701	1,072.6	34.1



#### Overall Results for sample 11 : gm20812

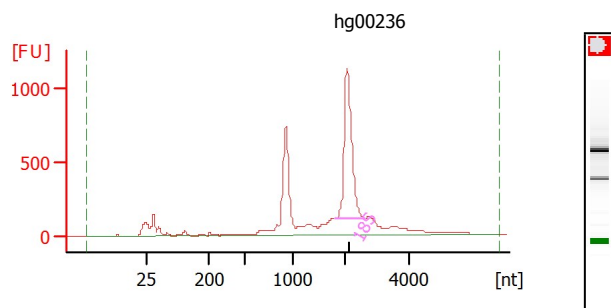
RNA Area: 4,305.0  
 RNA Concentration: 1,876 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 9.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.60

#### Fragment table for sample 11 : gm20812

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,155	754.5	17.5
28S	3,610	4,670	1,424.2	33.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-19\_14-20-54.xad

Created: 10/19/2011 2:20:53 PM  
Modified: 10/19/2011 2:44:22 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : hg00236**

RNA Area: 6,814.6  
RNA Concentration: 2,969 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): N/A (B.02.08)  
Result Flagging Color:   
Result Flagging Label: RIN N/A

**Fragment table for sample 12 : hg00236**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,825	2,665	2,135.6	31.3